

1974

Map of the
M-B DITCH
H. L. Hall and Kenneth A. Heron
Applicants.
RIO ARRIBA COUNTY-NEW MEXICO
TRUE COURSES - Variation 14°30' East
Scale 1"=1000'

The undersigned, H.L. Hall and Kenneth A. Heron, whose postoffice address is Chama, Rio Arriba County, New Mexico, have caused to be located by a competent Engineer, the "M-B DITCH" as herein described and indicated hereon and make these statements relative thereto and offer this map and statements for acceptance and due filing in compliance with the laws of the State of New Mexico.

The principal diversion is located on the West bank of the Chama River at a point from which the N.E. Cor. Sec. 36, T.1 N. R. 2 E. of Martin and Borders Subdivision, Tierra Amarilla Grant, bears S49°33'W. 9770.5'. From this diversion, which is also the diversion of the Chama Town Ditch, water is to be diverted through the said Chama Town Ditch, which is to be enlarged. A second diversion is located on the Little Chama River at a point where the proposed M-B Ditch crosses the Little Chama River, and which point is S82°15' E. 1005 feet from N.E. Cor. Sec. 36 as above.

The depth of the ditch is 2.3 feet.
The width of the ditch is 10.9 feet, on top.
The slopes of the ditch are 1 1/2 to 1.
The width of the ditch is 4.0 feet on bottom.
The average grade of the ditch is 1.0 foot per 1,000'.
The hydraulic radius is 1.4. Based on cutters formula, coefficient of roughness "n"=.030, the maximum capacity is 31.53 per sec. cubic feet.
The estimated cost of the works is \$10,000.00.
The efficient but not excessive duty of water for this land is 1.5 acre feet per acre for which claim is hereby made for irrigation purposes.
Work was commenced on this ditch by survey June 10, 1931.
The land to be irrigated is stated as 1939 acres.

State of New Mexico } ss:
County of Rio Arriba }

We, H. L. Hall and Kenneth A. Heron, being first duly sworn upon oath, state that we have read and examined this map and statements hereon and know the contents thereon and the representations therein and state that the same are true to the best of our knowledge and belief.

H. L. Hall
Kenneth A. Heron

Subscribed and sworn to before me this 23rd day of November, 1931.

My commission expires 1/1/35 Notary Public

State of New Mexico } ss:
County of Rio Arriba }

I, Kenneth A. Heron, being first duly sworn upon my oath, state that I am the Engineer who made the map of the M-B DITCH; that such map was made from field notes taken from actual bona fide surveys made under my direction in the field; that the same are true to the best of my knowledge and belief.

Kenneth A. Heron

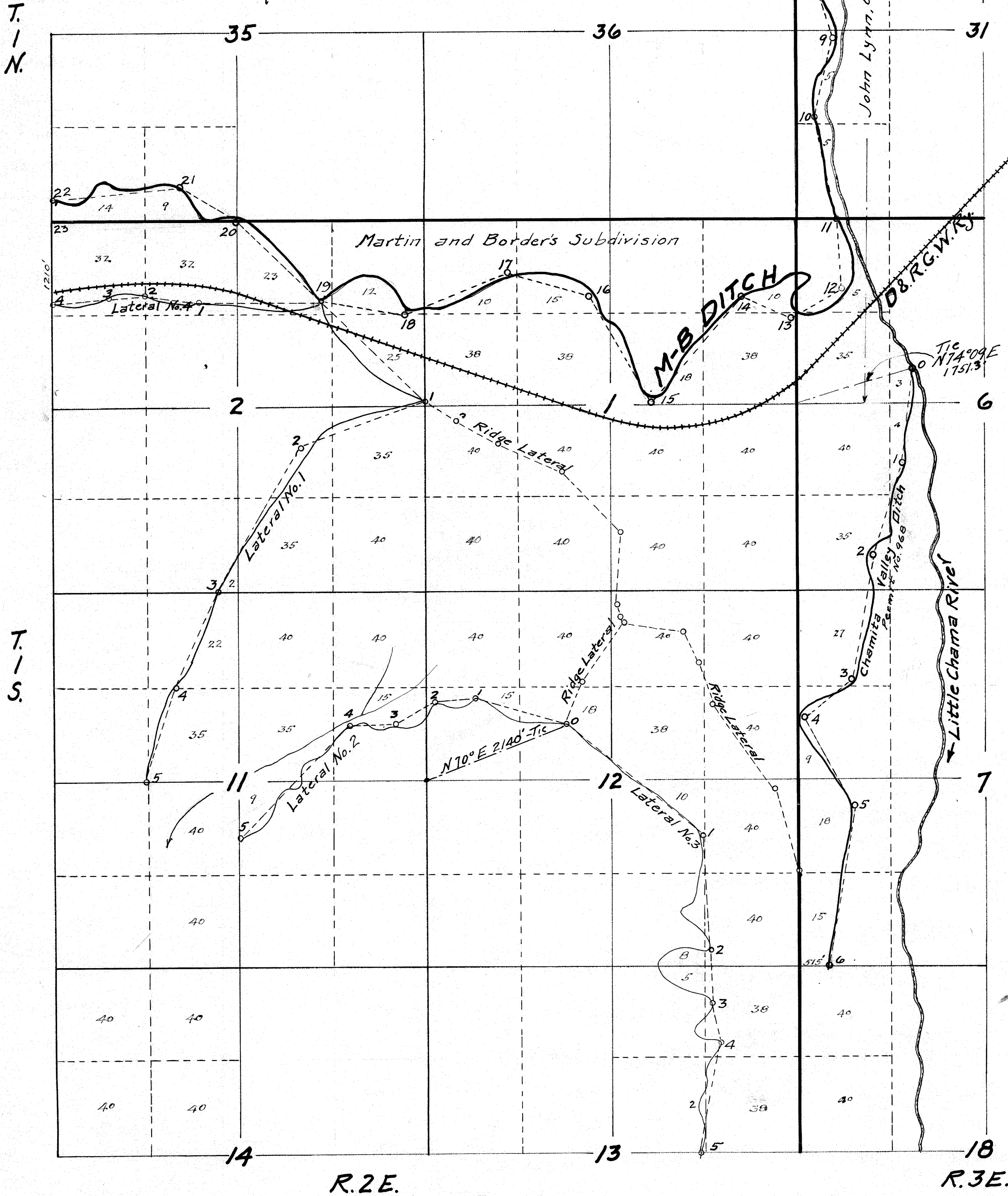
Subscribed and sworn to before me this 23rd day of November, 1931.

My commission expires 1/1/35 Notary Public

State of New Mexico } ss:
County of Santa Fe }

I hereby certify that the above map and statements have been examined by me and were duly accepted for filing on the 12th day of December, 1931.

Geo. M. Wheel
State Engineer.



Ditch Traverses			
Sta.	Sta.	Course	Dist. Ft.
Chama Town Ditch			
0	1	S 29° 0' W	2130
1	2	S 36° 0' W	2400
2	3	S 14° 0' W	1410
3	4	S 61° 30' W	2640
4	5	S 7° 0' W	1610
5	6	S 57° 30' W	220
M-B Ditch			
6	7	S 57° 30' W	1010
7	8	S 5° 0' E	1170
8	9	S 17° 30' E	840
9	10	S 15° 0' W	1160
10	11	S 11° 30' E	1490
11	12	S 4° 30' E	990
12	13	S 60° 0' W	830
13	14	N 67° 0' W	790
14	15	S 41° 0' W	1995
15	16	N 30° 0' W	1760
16	17	N 73° 0' W	1203
17	18	S 68° 0' W	1580
18	19	N 80° 0' W	1200
19	20	N 46° 0' W	1650
20	21	N 58° 0' W	950
21	22	S 85° 0' W	1840
22	23	Sum.	310
Lateral No. 1			
19	1	S 47° 0' E	2065
1	2	S 70° 30' W	1910
2	3	S 30° 30' W	2360
3	4	S 24° 0' W	1490
4	5	S 17° 30' W	1410
Lateral No. 2			
0	1	N 73° 30' W	1350
1	2	S 85° 0' W	590
2	3	S 60° 0' W	630
3	4	S 88° 30' W	650
4	5	S 44° 30' W	2250
Lateral No. 3			
0	1	S 50° 50' E	2510
1	2	S 3° 0' E	1640
2	3	S 3° 0' E	770
3	4	S 15° 0' E	575
4	5	S 11° 0' W	1610
Chamita Valley Ditch			
0	1	S 6° 0' W	1345
1	2	S 17° 30' W	1385
2	3	S 10° 0' W	1800
3	4	S 51° 30' W	875
4	5	S 28° 30' E	1450
5	6	S 10° 0' W	2305

Lands to be irrigated are in Martin and Borders' Subdivision, Tierra Amarilla Grant, Rio Arriba County, New Mexico.